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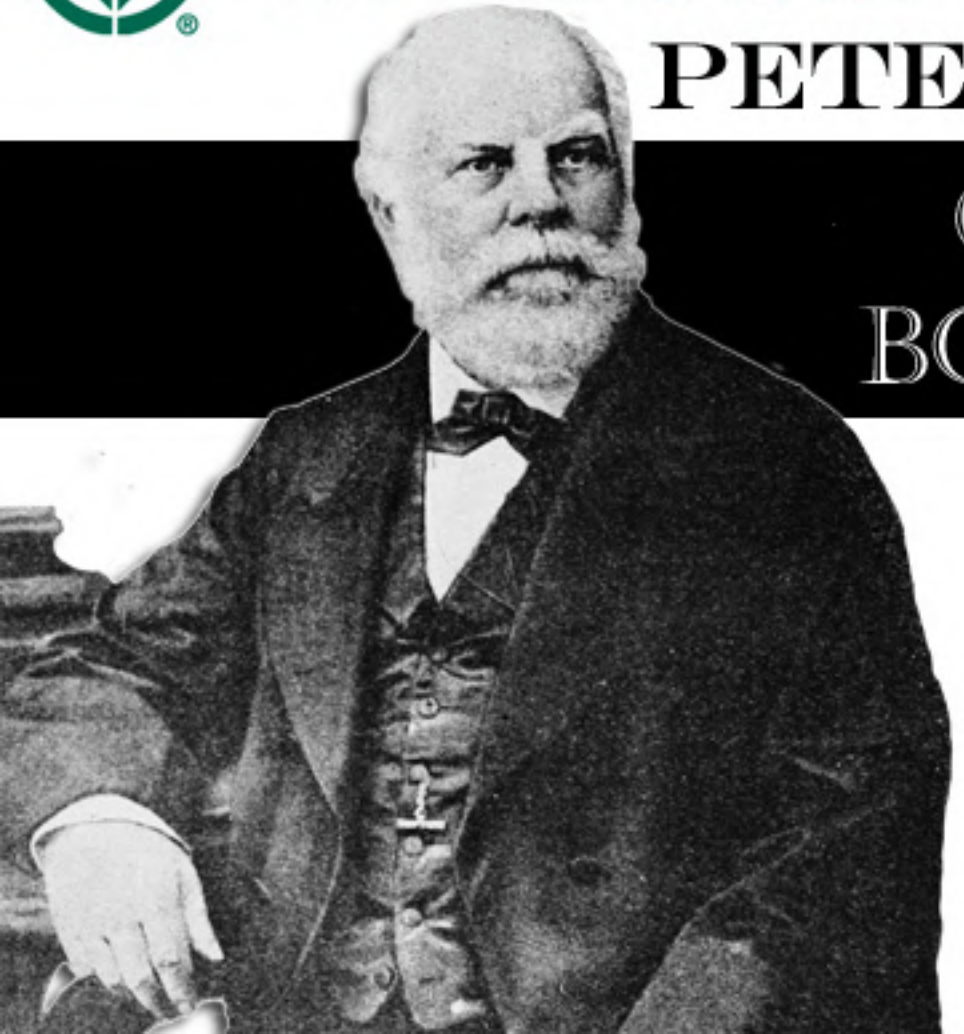

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Euphorbia Peplidion

annua passim erecta glaberrima e basi ramosissima;

foliis oppositis e basi angustata lineari-oblanceolatis obtusis,

umbellis trifidis dichotomis, bracteis lanceolatis acutis;

glandulis involucrorum cornubus involucri glandulam ipsa aequantibus linearibus obtusis; seminibus ~~semiobovoideis~~ minoribus laevi interiore longitudinaliter sulcatis, dorsali parcoliis 2 planulato exsculptis numerosis rotundatis

Stony Prairies between the Nueces and San Pedro Rivers, Texas Wright no. 1823
on a Sandy Mound, Austin, Texas

A small plant, about 3 or 4 inches high, much branched from the base, somewhat of the habit of E. exigua with very narrow leaves &c; the seed (0.6 diam log) almost absolutely can not well be distinguished from that of Peplus, but the capsule has no wings or ridges

E. montana see pg 48
E. peplo'ides Nutt = pg 46
E. tetrapora C pg 44
E. commutata C. p. 47
E. Roemeriana Scheele p. 45

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see below p. 61 & 64

Euphorbia esuliformis Schauer Linnaea 20 ~~XIX~~, 729

perennis erecta glaberrima erecta stricta

foliis breviter petiolatis ~~elliptico~~ ovatis

~~lanceolatis~~ oblongo lanceolatis obtusiusculis

mucronatis / ~~rameis~~ simplex v. plurisfidis

umbella 5— fida late ovatis ~~subtriangulatis~~ triangulatis

radiis superne ~~dilatatis~~ margine exterior crenato

oblasis breviter mucronatis /

glandulis ovatis glandulis geminis magnis subglobosis

radiis primariis ~~simplicibus~~, regularibus

saepe conformibus, lepiter / impressis

Valleys & hills near the Copper

mines Wright ~~No~~ 1820.

A stout perennial abt a foot and

a half high, with the habit of E. Esula,

but ~~stalk~~ leaves, only abt 1 inch long

and 3 l. wide, & the glands only half

as large, more crowded; —

~~A~~ Plant glaucous; root of the branches

of the umbell rather to great but

then always with ~~it~~ narrow & sparse leaves

instead of the broad opposite floriferous

bracts on the lower part of the same

axis. Seeds the largest of the on

specimens; 1.3—1.4 l. in length & not

much less in width.

Rhaeners description entirely

agrees with our plant

Gregg. No 351. (Chillo). 2 feet high

is probably the same — seeds smaller only 1 line long

otherwise same — bracts broadly elliptic obtuse

mucronate — leaves more narrowed at base more

acute. Gregg 426 (Chillo) is probably a stouter more leafy, leaves narrower, inverse bracts more acute, styles united to near the apex.

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Euphorbia Engelmannii ? erecta e basi multicaulis ramosa glabra.

foliis sessilibus lanceolatis - s. linearibus lanceolatis acutis mucronatis - 5 ½ l. ramis

umbella trifida pluries bifida, bracteis reflexis lanceolatis superne rhombeo-ovatis mucronatis,

glandulis bicornibus oblongeque semiteretibus / ovatis majusculis / lentis / marginibus integerrimis saepe emarginatis lacerisve.

About Doña Ana in the Valley of the Rio Grande above El Paso — M. Wright 1821! (greater part!) — May stem a foot high from a stout Cypress like apparently annual root. — leaves 6-9 lines long. abt 2 l. wide; glaucous; recurved; pistillate flowers; = Stem short thick — angular upon the ridges — almost sub-terete; — Head umbellate; — Allied to Peplus — & Euphorbia; but the glands distinct from any of the

Perhaps only a form of E. Esula; Umbells sometimes 4-fid — Glaucous? — Yes, but specimens of Esula form are mixed with it

56 tricholoma HBK. (II. 60 Nov 9. 4 p

C. parviflora n. sp.

folion 4p

0999

Annua erecta ramosa glaberrima

foliis ramosis confertis parvis ~~subtiliter~~

spathulato — oblanceolatis acutis

~~acutis~~ serrulatis

antheridiis solitariis sternalis

vaginis ~~pedi~~ (denique pro ramorum

evolutione. ~~pendulis~~ laterulibus.

Gandalis rhodanis 5 — transverse

ellipticis

capsula globosa; corpis globosis

semiobtectis globosis, ~~rumulosis~~ lævibus

Along the beach of Pine Key,

Blodgett; Tampa Bay & Lemon Key

Key west Blodgett

Stem 6—10 cms high — with numerous

usually 3—4 cms long — 1—1½ c. wide.

~~flowers to~~ Sand purely globose with

a small cavernula; 0.8 c. in diameter

Blodgett a weak and slender species

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Euph. obtusata

~~annua~~ erecta glabra v. glaucina plerumque, foliis caulinis basi angustata obtusiusculis ~~spathulatis~~ rotundatis obtusis seu superne acutiusculis; umbella 5 fida (rarius 4 fida) ~~basi~~ radiis 3 fidis v. bifidis, bracteis superne ovatis, superne rotundo-triangularibus; ~~stylis~~ involucellis obtusis marginatis; stylis ~~in basi~~ connatis, adnato-bifidis ovario cylindrico stipitem aequantibus; capsula verrucosa — semine lenticulari-ovato, facie ventrali concava illinoi Meds.

Illinois & Missouri (common with woods along the Missouri) — a ~~coarse~~ Arkansas — (and 0.8—10 in 1—3 feet high — about Platte & Nodaway rivers from the ovary. platyphylla by the ~~leaves~~ this has the upper leaves & the bracts acute & upper bracts rapidly smaller & glands much smaller, stylus much more connate only at the apex bi-lobed — V. ovary with much longer with hemispherical glands warts.

E. platyphyllos L. Lake Champlain Oakes! Nuttall!

Specimen with 5 umbellrays.

Short's is an intermediate form

58 Dictyosperma Fisch. & Mey. 1835 Index Sem. Petrop.

Capsule ~~ark~~ark- [illegible] Gr.

~~See~~ pg. 41. Model 3 & 4 mdl

Slightly reticulate seeds: Castis N. Carolina

Short Kentucky " obtusate " with large slightly reticulate seeds, show that there is no absolute distinction between Ark & obtusata — they are too near & may have to be united in future.

Arkansas.: Alabama Buckley
Davenport Parry
N Mexico Abert Wright
Louisiana Hale
Pope's Expedition

Gen. Multicaulis Wright 1824 biennial?
same but ~~N. Mexican~~ is Mexican Gray.
cocois dorso solum. vernos is
Upper Missouri Hayden, Gr James
New mr. Fitch
California
Hartweg 1951
Dr Kellerman
Arkansas Engelm Nuttall Pitcher
Texas Lindheimer N.O. 302
Burkander 2536
Louisiana Hale
Oregon Spalding
Leiotrota
= Arkansana, capsules Lacer! Wright on the
Colorado, Texas — a slender
= Hb. Torr.
plant
Texas Drummond II. 327 Lacer
Capsules almost smooth
= dictyosperma Fisch & Meyer 1835 Index semin Californi
Bodega

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Euphorbia multiradiata (cont.
arenaria, obvious
glabra

foliis linearibus oblanceolatis acutis (mucronatis
pennulatis basi angustatis sessilibus
umbellis bifidis ramis, bifidis
ternis connatis, involucro quadrifido
stylis elongatis ultra ad medium bifidis
capsulis (dorso sulcis) verrucosis
semine tuberculato lacunoso
fusco

(Thurber, Torrey,) No 381 H.C. Gray

coll = June 1851. — About 6 inches high — only 1 single specimen, about a dozen stems from the base, 6 inches high, bushy crown & G.C.G. / little wide, Nearest to obtusata, but very different

— Atlanta V. 84)

E. corollata (Chamisso & Schl) / R. Hartweg 31

fide Benth. in Pl. Hartweg Esula with many stems bushy, but leaves all equal lanceolate linear, acute at both ends, long mucronate umbell 4-5 parted, rarely rhombeo-ovate longer than broad mucronate, upper internal bracts roundish ovate long mucronate horns acute about as long as gland itself — Style, male cyme the very centre ½ ; deeply bifid Seeds not seen, said to be smooth & brown

60

6661

a plat in Herb Torr, coll near Mex, W
by Dr Halsted corresps exactly with
theirs Euph. rampetaris — but seeds
very much like my montana or Bachy-
rena; mottled with dots, slightly impress
~~pot~~ dots all over. 0.9 cm long.
Horns shorter than transverse diam
of ~~fruit~~ gland. —

Bachyrena has broader leaves shorter
horns and transverse ridges, seeds
similar

All these forms are practically
= E. esulaeformis

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Berlin 1857

1 Euph. campestris Sch Cent, Mexico, Schiede

sepy 59. — Linnea V. 184 gives a very poor description, which does not agree with 1830

Ann sc.

2 E. esulaeformis Schauer, Mexico Ackenbom.

Linn XX p 729 1847

Diffuse of the original specimens:

E. campestris 4

fol. angustioribus
obtusiusculis

bracteis superioribus
ovatis

glandulis punctato
exsculpti truncatis

integerrimis longioribus

seminibus

E. esulaeformis 4

fol latioribus, patulis
deplexis ve

obtusiusculis

glandulis leviusculis
truncatis dentatis, cornubus
brevibus incurvis

semine vix lineis longis
fuscis rarioribus
reticulatis obscuris

Neither of weights, plants seems [illegible] one of these.

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6662

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All above

Euph. esulaefornis and campestris
are nearly allied; the latter is said to
have (smooth) brown seeds!—
All the 5 named mexican Euphorbias
with mottled seeds are perhaps esulaefornis
so Gregg 426 (Saltillo) with crowded narrow
leaves; styles bifid only at apex; stigmas
capitate; glands with very short horns.
Gregg. 643 (Real del Monte) 3 feet high.
leaves 1—1½ inch by narrow acute, must
also belong here; styles united, bifid; seeds
only at point — stigmas capitate short
no seed

Guanaxato Berlandier 1320 probably, no fl or fr.
Roadside near Mexico Dr Halstead — 46 Torr
Hartweg 31 ? no seeds seen.
Bentham names it "campestris"
Wright on the Rivers 1849
Copper mines N Mexico — Bigelow. Wright 1820
Saltillo Gregg. 426. 351 = Torr spec = 1821
Real del Monte " 643

Present (Feb. 1859) Disposition is:
Euph. campestris stout leaves, long horns
Mex. to Schiede!
Real del Monte Gregg. 643
doubtful with short horns Saltillo, Gregg 426
Euph. esulaefornis petulous or reflexed leaves short horns
Mexico Aschenborn!
" Halstead
" Hartweg N. 31
Saltillo, Gregg N. 351
with larger seeds = less petulous leaves
Wright 1820

Euph. Cuphysera is no doubt var Cuphysera of the spec
or don't belong to Montana?

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Euphorbia crenulata the only perhaps E. subtata
known to me with crenate leaves, or with
sharply dentate-

annua erecta; glabra;
foliis obovatis acutis v. basin attenuatis
crenato dentatis serratis mucronatis
infimis
subtus superne late ovatis
acutis obtusis margine tenuissime undulatis
ciliatis
involucri glandulae magnae
dimidiatae transversae

stylis bas. coalitis, ad med. liberis
stigm. clavatis.

Semina ovato subglobosa, in
carunculo fusca
maculis punctis obscuris corrugat
conspicuis papillam impressa. Capsula
notata. Thurber
Bigelow. in Whipp. Exp. 1853
Pacific Railroad Reports 1850

Stem 1 foot high, simple or branching
above; leaves about 9 l. long about
5 l. broad; involucres broader & shorter
glands viscose
seed nearly ½ line long, very thick &
unusually dark

Nuttall collected the same (Hort. Acad. Philadelph.
sub nom E. californica
(non ...)

Greggii ~~Engelm.~~

Euphorbia ~~dictyosperma~~

annua erecta glabra
foliis lanceolatis elongatis basi rotundatis
(brevissime petiolatis)
umbellis 3 radiis; bracteis ovatis
ebasi latis (obtusis) triangulis
elongatis; capsulis (vix) magnis
forma obovoideis mucronatis,

glandulis (2) ovatis obtusis plerumque
transversis glandulae dimidiatae transversae
subaequantibus.

Semen ovatum obscure punctatum irregul. confl.
pars impressa notatis. Hab. Engelmann, Mexico
Gregg. 4 29. n. Saltillo, Mexico
Stem 1 foot high, nearly simple
leaves abt 2 inches long, ½ inch
broad; lower ones 1 inch broad abt
base, 1½ inch long + a peculiar
looking species different from all
our other Euphorbias.

+ seed abt 0.8 l. Gy.

Seemann, Sierra Madre, is another
imperfect specimen of Euphorbia — no seed seen; leaves
2 inches long ¼ inch broad — the horny
shorter than the gland.

64

var of C. subcaespitosa?

6663

Euphorbia subdentata. n s/

perennis? erect. glaber —
foliis oblongo lanceolatis brevissime petiolatis,
inferioribus integris obtusis, superioribus
acute apice denticulatis mucronatis
umbella sub 5-fida, radiis
~~fructu~~ bracteis ovatis obtusis gross
bipartito dentatis v. subintegris.
glandulis globulosis dibracteatis transverse
bis terve brachiatis, laciniis obtusis,
stylis basi coalitis, apice bifidis, stig-
matosis.

San Francisco Spring Sonora 46 Torr
~~California~~? Jany March 1852
Nr fruit. — 1 or 1½ foot high;
leaves petioles (or lower ones even
reflexed) 8–10 lines long 2–3 lines
wide, very obtuse. —

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prob = Whipp. Bot. pag 135 (79)
with descript.

Euphorbia Ceptocerus

~~annua~~ (s. bienn (?) ~~glabberrima~~ glaberrima
(sursum ramosissima
~~ebracteata~~ adscendens)

foliis, late obovatis obtusissimis, v ~~spatul~~
seu retusis
~~seu retusis~~ ~~brevissime attenuatis~~ ~~breviter attenuata~~
sensim in petiolum brevem attenuatis

Umbella trifida ; stenis bifidis,
bracteis latis triangulatis s. superne subtransversis, basi connatis s. vix connatis
obtusis
involucris subtubulatis ~~diametro~~ transversim
glandulosis magnis ~~brevibus~~ vix acquilatis basi i.e. breviter
stylis ~~basi~~ basi solum coalitis
seminibus magnis, manifeste irregulariter obscure
confluenter foveolatis rugosis notatis ;

Grass Valley Calif. in Dr Bigelow.
Hb Torr & Gr

March 1854 — A stout plant in habit
similar to E. commutata, but larger
in all the parts, stem abt a foot high
barely pubescent downwards the erect, obtuse bicipital growth.
leaves below cordate, those upwards 1—1½
inches long and nearly half as wide.
Bracts 8—10 lines broad, lower ones as long
or longer, upper ones shorter.
Seed abt 1.2 lin long ; marked on
it single confluent and irregularly
mottled the in any other of our Euphorbs. —

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66.

var of E. Montana B

Euphorbia

~~annua (v. biennis ?) erecta, glabra~~

pleranis — humilis, glabra v.

pars — fructu puberula; folia

bas. attenuata subsessilibus oblanceolatis v. lanceolatis

lineari-bus acutis mucronatis

supe rubellis

umbellis 3 fidis. Bracteis ufq;

(lanceolatis ad bas. ovatis) superne

lata ovatis;

cornubus perbrevibus;

semine magno subpunctatis

Spora, San Luis Mountains & Santa Cruz

Capt E K Smith —

pistillate plants — habit

leaves narrow, seed-pod [illegible]

much larger. — The pubescence extends

over the whole of the fruit, quite

persistent — this section —

Euph. corollata see pag 40.

Differs the pistillate almost always

about 3 lines high, varying below

2 or even 1½ to 4 —

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Euph. parvulata Ell

Herbis erectis, foliis late ovatis petiolatis
obtusissimis, subtus pallidis pilosiusculis v. subglabris
caule petiolis que pubescentibus v. subglabris

inclusis 3 fr. multotus 3 & bifid.
bracteis oppositis.
bracteis suberectis, ovatis acutis margine
obovatis ciliatis; subtus
pedunculis pilosis; pubescentibus
v. glabratis; floribus 5- obvolut. angulat. appress-

caps. ovoid. Semen ?

1 2 3 feet high — leaves 2 inch
long 1/4 wide petiole 1/4 inch long
anthodia with append. about 1 li in diam

Wrightii Torr

Euph. serpatia

e radice fibrosa perennis multicaulis erecta
ramosissima, glabrata
foliis inferioribus oppositis, superioribus oppositis
lanceolatis ovatis integris acutis
glabris stipulatis margine subtilissime
canaliculatis; alaribus v. pseudoaxillaribus
inovul. cymulatis pubescentibus
glabris 5- late obovatis appendiculatis
appendiculis ovatis v. integris
stylis basi connatis erectis, persistentibus
bifidis, stigmatibus distinctis crispatis,
capsulis pubescentibus
seminibus glabratis
dein. globosis, (exalbuminatis)
virescentibus (ex Mallarius.) punctato
asperulatis

68 Wright 1827 below the Rio Pecos & San Pedro = West. Texas & Gt Woodhouse & Cooper Expd

Root black, 1 inch dr. 1–2½ ft long — Stem 1 foot high, leaves 1–2 inch long 1 lin wide — stiff

Radical leaves, cauline sessile gradually 1.3 — 1.4 l. = lengthened & much less = Radical

Euph. Lobata annua erecta pubescens fol. oppositis, breviter petiolatis lanceolatis acutis, ~~dentatis~~ integris, glabris, ramis angulatis corymbis, pedunculis glandulis viscosis globis, appendiculis, floris brevibus per elapta lanceolatis stylis vix connatis ad medium globis, stigmatibus obtusis; capsulae laevi ovatae, angulato tuberculatis, semibus ovatis acutis

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on rocks East part Sonora Sierra de los Organos Wright 1831

Copper mines Angelos Santa Cruz Wright. — 6—15 inches high leaves 10—15 lines long 1—2½ l. broad Seeds 0.8 l. long, strongly tuberculated and almost angular. The appendages of the glands white very minutely ~~hope~~, long, clavate